



IBM Online Library:

Installing and Using the Online Library

Note!

Before using this information and the products it supports, be sure to read the general information under "Notices" on page v.

Sixth Edition (September 1997)

This edition applies to CD-ROMs produced on or after June 1996 containing online books built for viewing with the BookManager READ products and the IBM Library Readers. This edition replaces and makes obsolete *IBM Online Library: Installing and Using the Online Library*, GC31-8311-04, AB0IN004.

This book is available as an online book on many of the CD-ROMs distributed by the IBM Corporation and the IBMLink home page on the World Wide Web (<http://www.elink.ibm.link.ibm.com/pb1/pb1>). The filename of the online version is AB0IN005. You can view it with the BookManager READ products and the IBM Library Reader programs. It is also available as an ASCII file called INSTALL.TXT in the root directory of many of the IBM Online Library CD-ROMs.

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Using and Distributing the IBM Softcopy Receiver Tool

The terms and conditions for using and distributing the IBM Softcopy Receiver Tool programs are stated in a file called SCRTENG.AGR included on CD-ROMs that contain these programs. The file is in ASCII format and can be displayed or printed from your personal computer.

README Files for Online Library Components

Before installing or using the following component of the IBM Online Library, consult the following README file for important information. This is an ASCII file in the root directory on CD-ROMs that contain this component.

READSCRT.TXT IBM Softcopy Receiver Tool

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Library Reader	S/370
Operating System/400	S/390
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What's New in This Edition

This section contains changes and updates made to this guide since the Fifth Edition, June 1997.

- IBM SCRT V2.2 for Windows 95 and Windows NT is now available.

Chapter 1. What Is an IBM Online Library CD-ROM?

The IBM Online Library CD-ROMs are a way for IBM to provide you with online books that can be viewed and searched electronically on workstations and portable laptop PCs (running OS/2, DOS, Windows, or AIX), host systems (running VM, MVS, OS/390, AIX, or CICS) and the AS/400 System.

IBM provides several different IBM Online Library CD-ROMs. Most of the CD-ROMs contain online books for many IBM products, programs for viewing and searching the online books, and utilities to help you distribute and manage the online libraries in your business. Some online libraries are on multiple CD-ROMs.

Online Library CD-ROMs are updated periodically. Each update may include new products, new versions of existing products, updates to the existing libraries, and enhancements to the Library Reader programs used for viewing the online libraries.

Ordering Online Library CD-ROMs

You can determine which Online Library CD-ROMs are currently available, which products are on them, and how to order them by using any of the following sources:

- **The Online Library CD-ROM:**

Look in the root directory of the CD-ROM for an ASCII file named CKITLIST.TXT. You can view this file with a text editor or word processing program.

- **The World Wide Web (WWW):**

Point your browser to <http://www.elink.ibm.link.ibm.com/pbl/pbl>. Select **Publications & Information**, then select **CD-ROM (collection kits)**.

What Is the Structure of an IBM Online Library CD-ROM?

The following table shows the directories and files common to Online Library CD-ROMs. Some Online Library CD-ROMs have additional directories and files for features unique to that particular collection. Online Library Collections that include multiple CD-ROMs might have the following files on only one CD-ROM in the collection.

Information Files

INSTALL.TXT	ASCII file version of this guide
CKITLIST.TXT	List of available Online Library CDs and how to order them
READSCRT.TXT	Last minute information about the Softcopy Receiver Tool
READWIN.TXT	Last minute information about Library Reader for Windows**
PLALRENG.AGR	Terms for using Library Readers
BOOKENG.AGR	Terms for using Online Libraries
SCRTENG.AGR	Terms for using the Softcopy Receiver Tool

Library Readers (directories)

ILROS2	Program for installing Library Reader/2
ILRDOS	Program for installing Library Reader/DOS
ILRWIN	Program for installing Library Reader for Windows

Online Libraries (directories)

Books	The books and bookshelf search indexes on the CD-ROM
Shelves	The bookshelves on the CD-ROM

Uploading and File Management Programs (directories)

UPLOAD	Programs for uploading libraries to MVS, OS/390, or VM host systems via an emulator
SCRT	Programs for the Softcopy Receiver Tool for uploading libraries to host systems or transferring libraries to a workstation.

Utilities

OMF (Directory)	Program for installing the Online Message Facility (OMF)—this program applies only to Online Libraries that have books enabled for OMF
MPT (Files)	Message Parsing Template files used with OMF

Miscellaneous (directories)

TAPES	CD-ROM identifier information
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Optional Directories and Files (may not be in your CD-ROM collection)

Security management and performance tools
Multimedia product demos and overviews

Using Online Library CD-ROMs in Your Business

Online Library CD-ROMs contain product libraries in online form. These online libraries can be used on workstations, host systems (MVS, OS/390, VM), AS/400 Systems, and portable PCs such as laptops. The libraries can also be used and shared on an RS/6000, and shared with VSE users. Online libraries can be easily transferred between workstations, from servers to clients, and between workstations and a host system.

With the Online Library CD-ROMs, you can receive your documentation electronically, and set up an electronic document repository to manage, update, and distribute online books throughout your business. In addition, you can use the IBM BookManager technology to build and view your own documentation, thus creating a consistent, seamless information environment for your customers.

Using Online Libraries on Your Workstation

Here are some ways you can use the online libraries on your workstation.

- Use the CD-ROM as the storage device and select books and libraries to open and view when you need them.
- Download libraries or individual books from the CD-ROM to your workstation hard drive. This may improve your access time.
- Do both: move the most frequently used libraries or individual books to your hard drive and use the remainder on the CD-ROM.

Using Online Libraries on Your Network

Here are some ways you can use the online libraries on a network.

- Use the CD-ROM as the storage device to hold all of the libraries and let your customers select the online books to open and view when they want them. Multiple-CD CD-ROM drives are available so you can make a number of CD-ROMs available to your network customers.
- Download libraries or individual books from the CD-ROM to your server hard drive. This may improve your access time.
- Download libraries or individual books and Library Reader programs from the CD-ROM to user workstations on the network.
- Do a combination: move the most frequently used libraries or individual books to your server hard drive or user workstations and use the remainder on the CD-ROM.

Sharing and Centralizing Online Libraries on Your Host System

You can use your workstation to copy libraries from the CD-ROM to your host system.

Using Online Libraries on Your AS/400 System

You can use your workstation to copy libraries from the CD-ROM to your AS/400 system.

Chapter 2. Introducing the IBM Online Library Reader Programs

The following table lists the readers available, by operating system, for viewing the IBM Online Libraries delivered on CD-ROMs. The IBM Library Readers, listed in the second column, are an abbreviated form of the IBM BookManager Readers. They are included at no charge on these CD-ROMs. These Library Readers are enabled to view only the books on online library CD-ROMs available from IBM. They cannot read any other online books in BookManager format.

The BookManager READ products, listed in the third column of the table, allow you to view not only the books on IBM Online Library CD-ROMs, but also online books that you can build yourself using BookManager BUILD programs or that you receive from companies other than IBM that do not provide IBM Library Readers. The BookManager READ programs are available from IBM for a fee. The part number or program number for ordering them is listed in the table. A single part number is used for READ/2, READ/DOS, READ for Windows, and READ/6000. When you order this part number, you receive a CD-ROM with all four readers. You can select the reader you want and install it at your workstation.

Operating System	IBM Library Readers (included on this CD-ROM)	IBM BookManager Readers (available from IBM)	
		Name	Program/Part Number
OS/2	Library Reader/2	READ/2 1.2.1	84H1526
DOS	Library Reader/DOS	READ/DOS 1.2	84H1526
Windows	Library Reader for Windows	READ for Windows 2.0	84H1526
AIX		READ/6000 1.2	84H1526
MVS		READ/MVS 1.3	5695-046
OS/390		BookManager READ	See Note 1
VM		READ/VM 1.3	5684-062
CICS		READ/GT	See Note 2
OS/400		InfoSeeker	See Note 3

Notes:

1. OS/390 BookManager READ is shipped as a component of OS/390.
2. The READ/GT reader is available from GT Software.
3. InfoSeeker is shipped as part of AS/400.

Identifying the Latest Level of IBM Reader Programs via the Internet

You can see if you are using the latest level of IBM Library Readers and IBM BookManager READ programs by going to the Service Page on the following Web site and compare the level of your reader with those listed:

<http://booksrv2.raleigh.ibm.com/homepage/service.html>

If you do not have the latest level, you can download it from the Internet.

Downloading IBM Library Readers from the Internet

The latest versions of the IBM Library Readers are also available electronically by following these instructions.

- 1** FTP to `ps.software.ibm.com`.
- 2** Log on as anonymous with your e-mail address as the password.
- 3** Go to: `/ps/products/bookmanager/tools`.
- 4** Refer to the `README.TXT` file in that directory.

Planning for IBM Library Readers Installation

You must install one of the IBM Library Readers provided on your CD-ROMs or one of the BookManager READ programs in order to view and search the online books and set up an online book library on your workstation. The CD-ROMs contain installation programs to help you do this.

Before You Begin

Make sure you are using code page 850 (the multilingual code page) with the IBM Online Library. If you are not using code page 850, BookManager may not run correctly.

You may also use the installation programs later to:

- Add or change devices such as hard drives and CD-ROM drives containing online books and bookshelves
- Change your configuration files to point to these devices
- Upgrade your Library Reader with a newer version

If you already have a Library Reader installed on your workstation, run the installation program appropriate for your operating system (OS/2, DOS, or Windows). The installation program determines if the Library Reader on the CD-ROM is newer than the one installed on your workstation. You can then update the workstation reader, if necessary.

If you already have BookManager READ or InfoSeeker installed, you do not need to install a Library Reader program, but you should:

- 1** Run the Library Reader/DOS installation program to update your configuration files to point the BookManager READ program to the devices containing books and bookshelves.
- 2** Update the BookManager environment variable in your CONFIG.SYS file to specify the path to the book and bookshelves by adding the pointers to the BOOKMGR statement in the CONFIG.SYS file. For example, if you want to point to the F drive, enter: **f:\books;f:\shelves** in the BOOKMGR statement.

Chapter 3. Installing or Updating the IBM Library Reader/2

The installation program for IBM Library Reader/2 installs the Library Reader for the first time on your hard disk and updates your system configuration files to point to the books on your Online Library CD-ROM. If you have already installed Library Reader/2 or BookManager READ/2, you need to update your configuration files to point to the books on your new Online Library CD-ROM.

Software and Hardware Requirements for OS/2

Required Software: IBM OS/2 Version 2.11 or later with corrective service XR06055 applied.

Required Hardware

- Any personal computer capable of running OS/2 V2.11 or later
- Display device supported by the operating system (VGA or better resolution)
- Any pointing device supported by OS/2
- 1.5 MB of RAM in addition to the storage required by OS/2
- 4.5 MB of hard-disk storage in addition to the storage required by OS/2
- One or more CD-ROM drives or the equivalent, and the equipment needed to attach them to your workstation

Optional Hardware: An OS/2-supported printer

Installing or Updating from a CD-ROM

- 1** Insert the CD-ROM in the CD-ROM drive.
- 2** Go to an OS/2 command prompt to install Library Reader/2.
- 3** Switch to the drive letter of the CD-ROM drive that contains the Library Reader/2 program. If your CD-ROM drive is **d:** type **d:** and press **enter**.
- 4** Change to the directory on the CD-ROM that contains the Library Reader/2 program: type **cd \ilros2** and press **enter**.

If you are installing Library Reader/2 for the first time and do not have BookManager READ/2 installed, go to step 5 on page 10.

If you already have Library Reader/2 or BookManager READ/2 installed, update your CONFIG.SYS file to point to the books on your new CD-ROM:

- a.** Specify the path to the book and bookshelves by adding a pointer to the READIBM (if you already have Library Reader/2 installed) or BOOKMGR (if you already have READ/2 installed) statement in the CONFIG.SYS file. For

example, if you want to point to the **F** drive, enter: **f:\books;f:\shelves** in the READIBM statement.

b. Go to step 10.

5 To start the Library Reader/2 installation program, type **install** and press **enter**.

6 After loading the installation files, the first panel of the installation program, IBM BookManager Library Reader/2 Installation is displayed.

7 Select Continue to start the install process.

If you have previously installed Library Reader/2, do one of the following things:

- Delete the version already installed and install the version on this CD-ROM
- Update the version already installed

8 Continue the installation by following the information on the installation panels. For additional information during the installation, press **Help** or **F1**.

9 When the installation program is finished, the instructions on the panel tell you to either:

- Start your Library Reader/2 (proceed to "Opening Your Online Library with Library Reader/2" on page 11).
- Reboot (shut down and restart) your system to activate the changes (proceed to step 10).

10 Reboot your OS/2 workstation:

For OS/2 Version 2.11 or later with corrective service XR06055 applied:

- a. Click on your desktop (an unoccupied part of the screen).
- b. In the window that appears, select **Shutdown**.
- c. When the shutdown is complete, restart your system by pressing Ctrl+Alt+Del.

For OS/2 WARP 3.0:

- a. Click on **Shutdown** on your LaunchPad.
- b. When the shutdown is complete, restart your system by pressing Ctrl+Alt+Del.

11 When your system is running again, you can open and use the IBM Library Reader/2 (proceed to "Opening Your Online Library with Library Reader/2" on page 11).

Notes:

1. The **IBM Online Library** folder icon from the previously installed Library Reader/2 is not removed from your OS/2 desktop when the new Library Reader/2 is installed. After you verify that the new Library Reader/2 program is installed and running to your satisfaction, you may remove the **IBM Online Library** folder icon and associated files from your OS/2 desktop.
2. The installation program makes the following changes in your CONFIG.SYS file. In this example, the default directory **READIBM2** is used:

SET PATH=	It adds C:\READIBM2;
SET HELP=	It adds C:\READIBM2;
LIBPATH=	It adds C:\READIBM2;
SET READIBM=	It adds this statement with \books and \shelves for the drive you installed from, or, if this statement exists, it adds \books and \shelves for the drive you installed from

The installation program also creates a **Library Reader/2** folder.

Opening Your Online Library with Library Reader/2

- 1 Choose the Online Library CD-ROM you want.

- 2 Insert the CD-ROM into the drive.

Note: If you are using multiple CD-ROM drives, be sure that you put all of the Online Library CD-ROMs you plan to use in the drives *before* you start Library Reader/2 or BookManager READ/2 to open the IBM Online Library.

- 3 Open the Online Library.

Start the Library Reader/2 program and display the list of available online library bookshelves. Select the method from the following table that matches the version of OS/2 you have installed:

	Library Reader/2:	BookManager READ/2:
OS/2 Window Command Prompt Versions 2.0, 2.1, WARP 3.0:	Enter: readibm /ds	Enter: bookmgr /s
OS/2 Desktop: If you installed Library Reader/2 before or during March 1996	1. Select the IBM Online Library folder. 2. Click on the All Available Bookshelves icon.	N/A from desktop
OS/2 Desktop: If you installed Library Reader/2 after March 1996	1. Select the Library Reader/2 folder. 2. Click on the Library Reader/2 icon.	1. Select the IBM BookManager folder. 2. Select the BookManager READ/2 folder. 3. Click on the BookManager READ/2 icon.

- 4 When your BookManager Library Reader/2 or BookManager READ/2 starts, it displays a **WELCOME** panel from the screen, then displays a list of all the bookshelves that are available to you. This list can include:
 - The bookshelves on all the CD-ROMs in all your CD-ROM drives
 - The bookshelves on any other drives to which you have access
 - Your personal bookshelves (depending on how you customized your bookshelves, the list may only show your personal bookshelves); for information on customizing bookshelves, see the BookManager books in the Online Library Reference Bookshelf included on most Online Library CD-ROMs

If this list is very long, you might want to sort it by title:

 - a. Select **View** on the action bar; a pull-down window appears.
 - b. Select **Sort by ...** or the type of sort you want.
 - c. The **Sort by ...** choice opens a pop-up window in which you can select the sort by description or title.
- 5 Select a bookshelf and the list of books in the bookshelf appears on the screen. Follow the preceding instructions to sort by title if the list is very long.
- 6 Select the book you want to view or search. For instructions on using Library Reader/2, see *IBM Online Library: Getting Started and Managing the Library*, in the Online Library Reference Bookshelf included on most Online Library CD-ROMs.

Specifying Device Paths

If you cannot access a device that contains online books and bookshelves (such as a diskette drive, hard drive, or CD-ROM drive), you can specify either a temporary or permanent path to that device.

Specifying a Temporary Path

- 1 Select **View** on the Action bar.
- 2 From the pull-down window, select **Change Path**.
- 3 Specify the path to the books and bookshelves. For example, if you want to point to the **F** drive, enter: **f:\books;f:\shelves**. This path remains in effect until you exit the Library Reader/2 program.

Specifying a Permanent Path

To specify the path to the books and bookshelves, add pointers to the READIBM statement in the CONFIG.SYS file. For example, if you want to point to the **F** drive, enter: **f:\books;f:\shelves** in the READIBM statement.

Improving Viewing and Printing of the CKITLIST.TXT File on OS/2 Workstations

The following procedure shows how you can improve the on-screen viewing and printing of the CKITLIST.TXT (flat ASCII) file on OS/2 workstations. Use the Enhanced Editor for PM (EPM), which is shipped as part of OS/2, to view and print this file in a monospaced font presentation.

- 1** Open an OS/2 window.
- 2** Change to the directory containing the CKITLIST.TXT file.
- 3** Enter **epm ckitlist.txt**.
- 4** In the EPM window, select **Command** in the menu bar.
- 5** Select **Command Dialog**.
- 6** Enter **monofont** in the command line.
- 7** Press **Enter** or click **OK**.

Chapter 4. Installing or Updating the IBM Library Reader/DOS

The installation program for IBM Library Reader/DOS installs the Library Reader for the first time on your hard disk and updates your system configuration files to point to the books on your IBM Online Library CD-ROM. If you have already installed Library Reader/DOS or BookManager READ/DOS, you need to update your configuration files to point to the books on your new IBM Online Library CD-ROM.

Note: If you are using Microsoft Windows, you must exit Windows before running the Library Reader/DOS installation program.

Software and Hardware Requirements for DOS

Required Software

- DOS Release 3.3 or later
- Microsoft MS-DOS CD-ROM extensions 2.0 or higher

Required Hardware:

- Any personal computer capable of running DOS Release 3.3 or later
- Display device supported by the operating system (EGA, VGA, or better resolution is required for viewing vector raster images)
- A minimum of 290 KB of memory (in addition to the memory required by the level of DOS you are using)
- A hard disk with at least 1.5 MB available in addition to the storage required by DOS
- One or more DOS-supported CD-ROM drives and the equipment needed to attach them to your workstation

Optional Hardware: A DOS-supported printer

Installing or Updating from a CD-ROM

- 1** Insert the CD-ROM in the CD-ROM drive.
- 2** Go to a DOS command prompt.
- 3** Switch to the drive letter of the CD-ROM drive containing the Library Reader/DOS program. For example, if your CD-ROM drive is **D:** type **d:** and press **Enter**.
- 4** Change to the directory on the CD-ROM containing the Library Reader/DOS program: type **cd \ilrdos** and press **Enter**.

You are now ready to do one of the following things:

- Install Library Reader/DOS for the first time on your hard disk and update your system configuration file (AUTOEXEC.BAT) to point to the bookshelves and books on the CD-ROM.
- Update or replace a previously installed Library Reader/DOS program.
- Update your AUTOEXEC.BAT file to point to new devices containing bookshelves and books.
- Update your AUTOEXEC.BAT file to point to the bookshelves and books on your new Online Library CD-ROM.

5 To start the Library Reader/DOS installation program, type **INSTALL**, then press **Enter**.

6 Read **Panel 1**, then press **PgDn**.

7 On **Panel 2**:

- Determine the selection that applies to your installation. The installation program automatically looks to see if a Library Reader/DOS or BookManager READ/DOS program is already installed on your workstation. If it finds a previously installed Library Reader, it determines if that one is as current as the one on your CD-ROM. The installation program tells you at the top of the panel if it found a Library Reader already installed.
- If you do not want the selection number the installation program has placed in the **Selection Number box**, you can type the number of your selection over it.
- Press **PgDn** to continue.

8 On **Panel 3**:

- Next to the line **Drivers with IBM Library Books**: make sure one of the boxes includes the drive letter of the CD-ROM drive containing the CD-ROM you want to access. If not, type the drive letter in one of the boxes.
Note: While Panel 3 is displayed, you can add the drive letters of all hard drives, diskette drives, and CD-ROM drives containing online books you want to access. If you plan to download books from the CD-ROM, make sure to include the drive letter of the hard drive on which they resides.
- Make sure the **Library Reader directory** name specified on panel 3 is the name you want and the drive specified is where you want Library Reader/DOS installed.
- Make sure the **Configuration file** (AUTOEXEC.BAT) information is correct.
- When you are satisfied the information on panel 3 is correct, press **F10** to complete the installation.

- 9** When the installation program is complete, it tells you if you must restart your system to make the changes effective. If you are told to restart your system, press **Ctrl+Alt+Del**.

Notes:

1. The installation program changes your AUTOEXEC.BAT file as follows:

SET PATH= It appends C:\READIBM;
SET READIBM= C:\READIBM\READIBM.PRO

2. The installation program creates the following profile: **READIBM.PRO**

3. The installation program changes your READIBM.PRO file as follows:

-BPATH= It adds \books and \shelves for each drive specified if not already there.

Opening Your Online Library with BookManager Library Reader/DOS

- 1** Choose the IBM Online Library CD-ROM you want.

- 2** Insert the CD-ROM into the drive.

Notes:

- a. If you are using multiple CD-ROM drives, be sure you put all of the Online Library CD-ROMs you plan to use in the drives *before* you start Library Reader/DOS or BookManager READ/DOS to open the Online Library.
- b. If you named your diskette drive when you installed your Online Library, you must also put a diskette in your diskette drive before opening the Online Library.

- 3** Open the IBM Online Library.

To start Library Reader/DOS, go to a DOS command prompt and type:
readibm *.bks

To start BookManager READ/DOS, go to a DOS command prompt and type:
bookmgr *.bks

- 4** When Library Reader/DOS or BookManager READ/DOS starts, it displays a **WELCOME** panel. Press **Enter** and a list of available bookshelves is presented. This list of bookshelves can include:

- The bookshelves on all the CD-ROMs in all your CD-ROM drives
- The bookshelves on any other drives to which you have access
- Your personal bookshelves (depending on how you customized your bookshelves, the list might show only your personal bookshelves). For information on customizing bookshelves, see the Online Library Reference Bookshelf on most Online Library CD-ROMs.

If this list is very long, you might want to sort it by title:

- a. Select **View** on the action bar; a pull-down window appears.
 - b. Select **Sort by ...** or the type of sort you want.
 - c. The **Sort by ...** choice opens a pop-up window in which you can select the sort by description or title.
- 5** Select a bookshelf and the list of books in the bookshelf appears on the screen. Follow the preceding instructions to sort by title if the list is very long.
 - 6** Select the book you want to view or search. For instructions on using Library Reader/2, see *BookManager READ/DOS* and *Library Reader/DOS: Displaying Online Books* in the Online Library Reference Bookshelf included on most Online Library CD-ROMs.

Specifying Device Paths

If you cannot access a device containing online books and bookshelves (such as a diskette drive, hard drive, or CD-ROM drive), you can specify either a temporary or permanent path to that device:

Specifying a Temporary Path

- 1** Exit the Library Reader/DOS program.
- 2** Start the Library Reader/DOS from the command line and identify the path you want to temporarily use. For example, if you want to point to the **F** drive, enter:
`READIBM -bpath=f:\books; f:\shelves`

This path remains in effect until you exit the Library Reader/DOS program.

Specifying a Permanent Path

- 1** Exit the Library Reader/DOS program.
- 2** Edit your READIBM.PRO file.
- 3** Update the line that says `-bpath=` to include the drive you want. For example, if you want to point to the **F** drive, enter `f:\books; f:\shelves` in the `-bpath` statement.

Chapter 5. Installing or Updating the IBM Library Reader for Windows

The installation program for Library Reader for Windows installs the Library Reader for the first time on your hard disk and updates your system configuration files to point to books on your new Online Library CD-ROM. If you have already installed Library Reader for Windows, you need to update your configuration files to point to the books on your new Online Library CD-ROM.

Notes:

1. If you have already installed BookManager READ for Windows, you do not need to install Library Reader for Windows but you should be sure BookManager READ for Windows has the paths it needs to find the books and bookshelves on your new Online Library CD-ROM.
2. If you are installing under Windows 95, Library Reader for Windows runs as a 16-bit application. If you have questions or problems with installing or using the Online Library on Windows 95, contact the IBM Support Center at 1-800-237-5511.

Software and Hardware Requirements for Microsoft Windows

Required Software

One of the following operating systems:

- IBM OS/2 Version 2.11 or 3.0 (Warp) with WIN-OS/2 installed
- Microsoft Windows Version 3.1 in 386 enhanced mode
- Microsoft Windows NT
- Microsoft Windows 95

Optional Software

Scalable fonts, for example:

- TrueType (usually provided by Microsoft Windows or OS/2)
- Adobe Type I (may be provided by other products)

Required Hardware

- Any personal computer capable of running the Windows operating system
- Display device supported by Windows (VGA or better resolution)
- Any pointing device supported by Windows
- 4 MB of RAM in addition to the storage required by Windows
- 10 MB of hard-disk drive storage in addition to the storage required by Windows
- One or more Windows-supported CD-ROM drives and the equipment needed to attach them to your workstation

Optional Hardware: A Windows 3.1-supported printer

Installing or Updating from a CD-ROM

These instructions assume your hard disk is **C** and your CD-ROM drive is **D**. If they are not, substitute the drive letters you are using for the letters shown in the examples.

1 Start Windows.

For OS/2 workstations with WIN-OS/2:

- a. Open the **Command Prompts** folder.
- b. Select the **WIN-OS/2** icon.

For Microsoft Windows 3.1 workstations (if you are not already in Windows):

- a. Go to the DOS command prompt.
- b. Type **win**.

2 Insert the IBM Online Library CD-ROM in the CD-ROM drive.

3 Go to the Program Manager window and select **File** from the action bar.

4 In the pull-down window, select the **Run...** option. The Run window appears.

5 In the Run window, type the following: **d:\ilrwin\install**

6 Select the **OK** button.

The message **Please wait. Loading files...** appears. Wait until the **Install Library Reader for Windows 2.0.1** window appears with the **Installation Instructions** window already open.

7 Read the instructions in the **Installation Instructions** window.

8 Select the **Continue** button and wait until the **Install** window appears.

Notes:

- a. In this window, you can choose not to have your **AUTOEXEC.BAT** file automatically updated by the install program.
- b. If you already have **Library Reader for Windows** installed, the **Installation Options** window appears instead of the **Install** window. You can choose to either update your existing **Library Reader**, or delete and reinstall it with the **Library Reader** on the CD-ROM.

9 In the **Install** window, select the **OK** button.

10 When the **Install - directories** window appears:

- a. Select **program files**.

Notes:

- 1) You do not need to select **documentation** because the Library Reader for Windows books are available in the Online Library Reference Bookshelf on most Online Library CD-ROMs. You can also select the *User's Guide* from the Library Reader's Help window if a CD-ROM containing the Library Reader for Windows books is in your CD-ROM drive.
 - 2) If you choose to install the documentation on your hard drive, be sure the following path appears For the Startup Path for Boocases, Bookshelves and Books when the Install options - startup defaults window later appears: C:\BOOKS
- b.** You can change the drive and directory name in which the program files are to be installed. The default is: C:\READIBMW
- If you want to change it, type your drive letter and directory name over the one shown.
- c.** Select the **Install** button.

The Install - progress window appears. When the installation is complete, the Install options - startup defaults window appears; it should show the paths to the bookcases, books, bookshelves, and notes.

11 In the Install options - startup defaults window, do as follows:

- a.** For the Startup Path for Bookcases, Bookshelves and Books:
 - 1) Add the paths for the \books and \shelves directories on your CD-ROM drive. For example: D:\BOOKS;D:\SHELVES

If you have more than one CD-ROM drive, you can add the paths to them. If you plan to copy books to your hard disk, you can add the path to it as well. For example, if your hard disk is **C** and a second CD-ROM drive is **E**, the preceding example would now be:

D:\BOOKS;D:\SHELVES;C:\BOOKS;C:\SHELVES;E:\BOOKS;E:\SHELVES

 - 2) If Library Reader/DOS is also installed, this window shows the paths defined for it as well. You should remove the path to the Library Reader/DOS books: C:\READIBMW
- b.** For the Startup Path for Notes:
 - 1) Make sure the path for the notes directory is the same as the directory in which the program files were installed.
 - 2) If you have Library Reader/DOS installed, it shows this path: C:\READIBMW.

You must expand this to: C:\READIBMW

- 3) Select the **OK** button.

The Installation and Maintenance window appears and should indicate the installation was a success. You do not need to remove the CD-ROM from the drive.

- 12** In the Installation and Maintenance window, select the **OK** button and the Install Library Reader for Windows 2.0.1 window reappears.

Note: If you do not have SHARE or another file locking program, a window for installing such a program appears. Select the **OK** button in that window.

- 13** In the Install Library Reader for Windows 2.0.1 window, select the **Exit** button and an icon for Library Reader for Windows appears in the Program Manager window.

- 14** Exit Windows.

- 15** Reboot your system.

- 16** When your system is running again, you can open and use the Library Reader for Windows (proceed to "Opening Your Online Library with Library Reader for Windows").

Note: If you previously installed BookManager READ for Windows and you just installed the Library Reader for Windows, the file associations for the books and bookshelves (files with extensions of .BOO and .BKS) that were made when you installed READ for Windows are changed by those for the Library Reader. (File associations are made for the last BookManager program you install.)

If you want to associate BookManager READ for Windows with these files, you must change the file associations back to READ for Windows.

Configuration Changes Made to Install the Library Reader on Windows

The installation program makes the following changes:

- In your AUTOEXEC.BAT file, it appends C:\READIBMW to **SET PATH=**.
- In the Windows subdirectory, it creates the following initialization file: **READIBMW.INI**. This file contains profile information including fonts, colors, and the books and bookshelf path.

Note: In IBM BookManager READ for Windows, this file is called READWIN.INI.

- The **WIN.INI** file is updated to contain associations for .BKS and .BOO so Windows knows to invoke **READIBM.EXE** when you double-click on one of these files from the File Manager.

Opening Your Online Library with Library Reader for Windows

- 1** Insert the IBM Online Library CD-ROM into the CD-ROM drive.

Note: If you are using multiple CD-ROM drives, be sure you put all of the Online Library CD-ROMs you plan to use in the drives *before* starting Library Reader or BookManager READ to open the Online Library.

2 Open the Online Library. You can access books in two ways: using icons to start the Library Reader for Windows or BookManager READ for Windows, or by using File Manager to directly locate and open a specific book.

- Using Icons to Access the Online Library

- a. Go to the Program Manager window and select the icon for Library Reader for Windows group or BookManager READ for Windows group.
- b. In the Library Reader for Windows or BookManager READ for Windows window, select the icon for Library Reader for Windows or BookManager READ for Windows.

Library Reader for Windows or BookManager READ for Windows starts and displays an About ... window. This window then disappears from the screen, and you see a list of the bookshelves available to you. This list may include:

- The bookshelves on all the CD-ROMs in all your CD-ROM drives
- The bookshelves on any other drives to which you have access
- Your personal bookshelves (depending on how you customized your bookshelves, the list may only show your personal bookshelves); for information on customizing bookshelves, see the Online Library Reference Bookshelf included on most Online Library CD-ROMs.

If this list is very long, you may want to sort it by title:

- 1) Select **View** on the action bar; a pull-down window appears.
- 2) Select **Sort** ►; this opens a pop-up window in which you can select the sort by title.

- c. Select a bookshelf and the list of books in the bookshelf appears on the screen. Follow the preceding instructions to sort by title if the list is very long.
- d. Select the book you want to view or search. For instructions on using Library Reader for Windows, see *BookManager READ for Windows: User's Guide* in the Online Library Reference Bookshelf included on most Online Library CD-ROMs.
- e. To create and work with bookcases, go to the Library Reader for Windows or BookManager READ for Windows window, and select the icon for List of Bookcases.

- Using File Manager to Access the Online Library

- a. Go to the Main window and select the icon for **File Manager**.
- b. In the File Manager window, select a drive icon for a drive containing books.

- c. In the list of directories for that drive, select a directory containing books (a directory named \books is commonly used for storing books).
- d. In the list of files for that directory, select a book (*filename.BOO*) you want to open.

Library Reader for Windows or BookManager READ for Windows displays first an About ... window, then the book you selected from File Manager. For instructions on using Library Reader for Windows, see *BookManager READ for Windows: User's Guide* in the Online Library Reference Bookshelf included on most Online Library CD-ROMs.

Specifying Device Paths

If you cannot access a device containing online books and bookshelves (such as a diskette drive, hard drive, or CD-ROM drive), you can temporarily look at the books and bookshelves on that device, or you can permanently change the path to that device.

Specifying a Temporary Path

- 1 Select FILE.
- 2 From the FILE pull-down window, choose List Books or List Bookshelves.
- 3 Choose the directories you would like to see.
- 4 Choose OK.

Specifying a Permanent Path

- 1 Select the Options pulldown window.
- 2 From the pull-down window, select Startup Defaults.
- 3 In the Startup Path for Bookshelves and Books, specify the path to the books and bookshelves. For example, if you want to point to the F drive, enter:
f:\books;f:\shelves.
- 4 Choose OK.

This is stored and used the next (and each) time you run the IBM Library Reader for Windows program.

Chapter 6. Using the Online Library on an AS/400 System

You can share the IBM Online Library on your AS/400 System using InfoSeeker on the AS/400 System to read books or using a BookManager Library Reader on an AS/400-attached workstation.

AS/400 InfoSeeker became part of the Operating System/400 in Version 3 Release 1. It is a version of the BookManager Library Reader specially designed for use on the AS/400 System. With InfoSeeker, you can view online books from any workstation, including non-programmable workstations.

The PC-based Library Reader programs provide features not available with InfoSeeker, including allowing you to:

- Display the pictures in the books
- Add margin notes to the books
- Print topics with better quality
- Print pictures

On AS/400 Advanced Series systems using PowerPC technology and OS/400 Version 3 Release 6, you can install online books on the system by using the AS/400 CD-ROM drive. See "Installing Books on AS/400 Version 3 Release 6" on page 27 for the procedure to do this.

On Version 3 Release 1 systems, you can transfer online books from your CD-ROM to an AS/400 directory. You must do this if you want to view the books using InfoSeeker from a non-programmable workstation attached to an AS/400 System.

You can also use the Online Library CD-ROM from a CD-ROM drive on a workstation.

Installing and Using InfoSeeker on Your AS/400 System

For information on setting up an IBM Online Library and using InfoSeeker, see:

- *AS/400 InfoSeeker: Getting Started*, SC41-3001 (V3R1)
- *AS/400 InfoSeeker: Use*, SC41-3002 (V3R1)
- *AS/400 InfoSeeker: Getting Started*, SC41-4001 (V3R6)
- *AS/400 InfoSeeker: Use*, SC41-4002 (V3R6)

Once the books are installed, you start InfoSeeker by entering

`strinfo`

on the AS/400 command line.

Using Directories on the AS/400 System to Share the Online Library

Client Access for OS/400 allows you to share the IBM books and bookshelves among several users who have programmable workstations. Each workstation can have the

IBM Library Reader installed or you can install the IBM Library Reader in a shared AS/400 directory.

For more information on setting up and using these directories, see the book for the client you are using:

- *Client Access/400 for Windows 3.1 User's Guide*, SC41-3532
- *Client Access/400 for DOS Extended Memory User's Guide*, SC41-3501
- *Client Access/400 for OS/2 User's Guide*, SC41-3521
- *Client Access/400 for DOS User's Guide*, SC41-3557
- *Client Access/400 Optimized for OS/2 - Getting Started*, SC41-3510

Using the SCRT to Install Books to an AS/400 System Directory

You can use the Softcopy Receiver Tool (SCRT) to transfer the IBM Online Library from a CD-ROM on your personal computer to a directory on an AS/400 System. See Chapter 7, "Transferring Books To Your Workstation or Host with the Softcopy Receiver Tool" on page 29 for instructions on using the SCRT.

Note the following considerations for AS/400 when running SCRT V1.3:

- The SCRT cannot install to a root drive on an AS/400 System.
- A drive must be assigned to the AS/400 System directory.

When using Client Access for AS/400, PC drive letters can be assigned to AS/400 directories (or folders). Normally, the IBM Online Library is installed to the QBKBOOKS/BOOKS folder on the AS/400. Therefore, the PC drive letter should be assigned to QBKBOOKS. For example, if drive j is assigned to QBKBOOKS on AS/400, the destination path for installing the library using SCRT would be j:\books.

Copying IBM Books to an AS/400 System Directory

The following examples assume D is the drive letter for the CD-ROM drive, \B00KS is the directory containing the books on the CD-ROM, I is the drive letter assigned to the AS/400 System, and \QBKB00KS\B00KS is the directory to contain the Client Access for OS/400 books on the AS/400 System.

Note: The QBKB00KS/B00KS directory is created when OS/400 is installed. It is the default directory for online books.

The examples also assume you are copying the Client Access for OS/400 bookshelf and books. The file names for most Client Access for OS/400 books and its bookshelf begin with the letters QBKAK (V3R1) or QBJAK (V3R6). If you want to use different books or directories, substitute their names for the names used in the examples.

To copy IBM books and bookshelves from a CD-ROM to a Client Access for OS/400 folder, follow these instructions:

- 1** Switch to the drive letter assigned to the AS/400 System. Type:

i:

- 2** Copy the books you want in the folder from the CD-ROM with the COPY or XCOPY command. Type:

```
copy d:\books\qbkak*.boo i:\qbkbbooks\books
copy d:\shelves\qbkak*.bks i:\qbkbbooks\books
copy d:\books\qbkak*.bki i:\qbkbbooks\books
```

You can also use the SCRT to install the books to the AS/400 System. Simply specify the path to the AS/400 directory as the target for the SCRT.

Users can now access the books and bookshelves by assigning the directory drive to their workstations and identifying that drive to the Library Reader installation program if they are installing the IBM Library Reader on their workstations.

Users of InfoSeeker can also access the books once they are installed in the directory. If the books are placed in a directory other than qbkbbooks/books, you must define the directory to InfoSeeker. Use the Work with System Value (WRKSYSVAL) OS/400 control language command to specify the folder path in the QBOOKPATH system value. The paths specified for QBOOKPATH (up to five paths can be defined) must be of the form:

/QDLS/directory

to correctly access the library in the directory. For example, the default value is:

/QDLS/QBKBOOKS/BOOKS

Installing Books on AS/400 Version 3 Release 6

To install books to an AS/400 System from the AS/400 CD-ROM drive, place the CD-ROM in the drive. Enter:

```
rstshf *shelf shelf(*list) dev(optical-device) vol(volume-name)
```

on the AS/400 command line. *optical-device* is the name assigned to your CD-ROM drive on the AS/400 System (normally opt01); *volume-name* is the internal identifier of the CD-ROM platter. To determine the volume name, use the Work with Optical Volume (WRKOPTVOL) OS/400 control language command.

A list of bookshelves is presented so you can select the ones you want to install. You can also choose whether you want the books installed to the AS/400 System (the bookshelves and bookshelf index files will be installed).

To access books directly from the CD-ROM, you must identify the CD-ROM volume to InfoSeeker. Use the Work with System Value (WRKSYSVAL) OS/400 control language command to specify the folder path in the QBOOKPATH system value.

To access books and bookshelves from the CD-ROM, you do not need to install anything to the AS/400 System. Simply use the WRKSYSVAL command to identify the BOOKS and SHELVES directories on the CD-ROM to InfoSeeker. The paths specified for QBOOKPATH (up to five paths can be defined) must be of the form:

/QOPT/volume-name/directory

to correctly access the CD-ROM. The QBOOKPATH system value can contain paths to directories (QDLS) and the CD-ROM (QOPT).

See the book *AS/400 Softcopy Library and Information Directory CD-ROMs*, SK2T-2839, for complete descriptions of these procedures.

Chapter 7. Transferring Books To Your Workstation or Host with the Softcopy Receiver Tool

You can use the Softcopy Receiver Tool (SCRT) to select and receive online books and bookshelves from IBM Online Library CD-ROMs onto your OS/2 or Windows (95 or NT) workstation or to DASD on your MVS, OS/390, or VM host system. For more information and details about the SCRT, refer to the *IBM Softcopy Receiver Tool: User's Guide*, GC23-3663. An online version of this book is included in the IBM Online Library Reference Bookshelf, available on many IBM Online Library CD-ROMs.

Using SCRT/MVS or SCRT/VM

These programs handle the transfer of publications from distribution tapes and from a CD-ROM to an MVS, OS/390, or VM host, via IBM S/370 and S/390 Optical Media Attach/2. Refer to *IBM S/370 and S/390 Optical Media Attach/2 User's Guide*, SC53-1200 and the SCRT User's Guide for more information.

Using SCRT/OS2 or SCRT/WIN

The SCRT transfers online books onto your hard disk or LAN, and transfers files to a host or other machine. The following alternatives for file transfer are offered:

- SEND support—uses a 3270 terminal emulator SEND command to transfer the selected files to your chosen host
- FTP support—uses File Transfer Protocol to transfer the selected files to your chosen host
- NFS support—uses Network File System to copy the selected files to NFS-mounted MVS or OS/390 DASD accessed as a drive letter on your workstation
- Copy support—uses the IBM Software Installer to copy the selected files to a local or remote drive accessed as a drive letter on your workstation

For OS/2, run the program

d:\SCRT\SCRT2\EBRSCRT2.EXE

For Windows95 or WindowsNT, run the program

d:\SCRT\SCRTW\EBRSCRTW.EXE

where "d:" is your cdrom drive letter.

Using the SCRT on AS/400

If you are using the SCRT to copy books to an AS/400 directory, you must first assign a drive letter to the target AS/400 directory. See "Using the SCRT to Install Books to an AS/400 System Directory" on page 26 for more information.

Chapter 8. Using the Online Library on an MVS, OS/390, or VM Host

You can install and use the IBM Online Library on MVS, OS/390 and VM host systems.

- To estimate the DASD storage you need, see “Estimating Host DASD Storage Requirements.”
- To upload books, bookshelves, and bookshelf search indexes to your host, see “Uploading Books, Bookshelves, and Search Indexes.”
- To make bookshelves available to BookManager READ/MVS, READ/VM, or the reader provided with OS/390, see “Making Bookshelves Available to IBM Host Readers” on page 42.

Estimating Host DASD Storage Requirements

If you are uploading files to a host, you can use the following table to determine the approximate number of tracks or cylinders you need.

Device	MB/Track	MB/Cylinder	Tracks/Cylinder
3380	.047	.712	15
3390	.056	.849	15
9340	.047	.712	15

Formulas:

1. MB to upload = MB of books + MB of bookshelves + MB of bookshelf search indexes
 2. Approximate tracks = MB to upload ÷ MB per track
or
Approximate cylinders = MB to upload ÷ MB per cylinder
-

Uploading Books, Bookshelves, and Search Indexes

You can transfer books, bookshelves, and search indexes from a workstation to an MVS, OS/390, or VM host and use them with BookManager READ/MVS READ/VM, or with the reader provided with OS/390.

You do not need to rebuild the books or re-create the bookshelves and search indexes when you move them from your workstation to a host. The BookManager READ format for online books on the workstation is the same as it is on the host.

The remainder of this section describes three ways to move books, bookshelves, and bookshelf search indexes to an MVS, OS/390 or VM host.

Using the Softcopy Receiver Tool to Upload to a Host

You can use the IBM Softcopy Receiver Tool (SCRT), program number 5648-032, to select and transfer online books and bookshelves from IBM CD-ROMs or IBM distribution tapes to a target host data set or filemode you specify.

There are two methods for doing this:

1 Using SCRT/MVS or SCRT/VM:

These programs handle the transfer of publications from distribution tapes.

To transfer online books from a CD-ROM to an MVS, OS/390, or VM host, the SCRT requires the IBM S/370 and S/390 Optical Media Attach/2. Refer to *IBM S/370 and S/390 Optical Media Attach/2 User's Guide*, SC53-1200, included in the Online Library Reference bookshelf included on most Online Library CD-ROMs.

2 Using SCRT/OS2, SCRT/WIN95, or SCRT/WINNT:

To transfer online books from a CD-ROM to an MVS, OS/390, or VM host, SCRT V2.2 offers 3 alternatives, all of which first allow you to select all or certain publications:

- SEND support -- uses a 3270 terminal emulator SEND command to transfer the selected files to your chosen host.
- FTP support -- uses File Transfer Protocol to transfer the selected files to your chosen host.
- NFS support -- uses Network File System to copy the selected files to NFS-mounted MVS or OS/390 DASD accessed as a drive letter on your workstation

For more information, refer to *IBM SCRT User's Guide*, GC23-3663, included in the Online Library Reference bookshelf included on most Online Library CD-ROMs.

Using the Bookshelf Upload Programs to Upload to a Host

Online Library CD-ROMs include IBM Bookshelf Upload programs that help you upload complete bookshelves from a CD-ROM drive to an MVS, OS/390, or VM host.

These programs upload all the files associated with a bookshelf as a group. The group includes the bookshelf file and all the book and bookshelf search index files. The EZ2UCDM program for MVS or OS/390 and EZ2UCDV program for VM create a series of SEND commands that upload all the files.

You must have a 3270 terminal emulator that supports the SEND capability or the equivalent. If you are using these programs on an OS/2 workstation, you must use them in an OS/2 window.

Creating the Upload Command and Batch Programs

The following example assumes C is the drive letter for your hard disk, \upload is the directory you want to put the upload programs into, and D is the drive letter for your CD-ROM drive. If you use a different drive letter or directory name, replace them in the following examples with the directory and drive letters you are using.

- 1** Select the hard disk on which you want to put the upload programs: c:

2 Create a directory on that hard disk to hold the upload programs and the files they create: `md \upload`

3 Change your current directory to the one you just created: `cd \upload`

4 Copy the upload programs to the directory you are using.

For MVS or OS/390: `copy d:\upload\ez2ucdm.exe`

For MVS (Windows/NT users): `copy d:\upload\ez2winm.exe`

For VM: `copy d:\upload\ez2ucdv.exe`

5 Start the EZ2UCDM or EZ2UCDV program.

For MVS or OS/390: `ez2ucdm`

For VM: `ez2ucdv`

For Windows/NT and MVS: `ez2winm`

The program starts and you see the message:

Type the 1-character CD-ROM drive letter (for example, g) or type a drive letter and the path to the BookManager files (for example, g:\books). Then press ENTER.

Drive letter or path ==>

6 You must tell the program where the BookManager files are located by doing one of the following ways:

- Specifying the one-character CD-ROM drive letter; in which case the program searches the entire CD-ROM.

If you are uploading files only from a CD-ROM, then IBM recommends you specify only its one-character drive letter. For example, if you want to upload BookManager files from a CD-ROM in drive D, type:

Drive letter or path ==> d

then continue with step 8 on page 34.

- Specifying paths to multiple directories, which can be on multiple disks.

If you want to upload BookManager files on one of your hard disks and files from the CD-ROM, specify the drive letter and path of one of the directories containing BookManager files. For example, if you have created a personal bookshelf in directory C:\SHELVES, type:

Drive letter or path ==> c:\shelves

Continue with the next step.

7 If you previously entered a drive letter and path, you see the following message:

Type an additional path to other BookManager files or leave blank if there are no more directories.

Then press ENTER.

Path ==>

Type the drive letter and path to another directory containing BookManager files, and press Enter. You are then prompted to enter another directory. Continue entering the directories containing the BookManager files. When you have specified all of the directories, press Enter without typing a path; you are shown the next message.

8 Identify the destination of the files.

For MVS or OS/390 you see this message:

Type the high-level qualifiers for the data sets containing the files (for example, ibmbk).

Then press ENTER.

High-level qualifiers ===>

Type the high-level qualifiers you want to use for the data sets on your MVS or OS/390 host. For example:

High-level qualifiers ===> ibmbk

Note: You should limit the number of MVS or OS/390 data set qualifiers to one or two. The EZ2UCDM program adds up to three additional qualifiers, shelf-name.book-name.type, to the names you supply. If the TSO users on your MVS or OS/390 system use a default high-level data set prefix that is not their user ID, you should use only one high-level qualifier and limit it to five characters (for example, IBMBK). These data set names start with sysprefix.userid. The sysprefix can contain eight characters; the userid can contain seven. After EZ2UCDM adds shelf-name.book-name.type, there is room only for an additional five-character, high-level qualifier if you want to ensure the user can create BookManager notes.

For VM you see this message:

Type the 1-character file mode of the minidisk where the files are to be placed (for example, a).

Then press ENTER.

Minidisk file mode ===>

Type the mode letter of the minidisk you want to use on your VM host.

Minidisk file mode ===> a

Note: Any VM files or MVS or OS/390 data sets on your host with the same names as the files you are uploading are deleted and replaced.

Press Enter.

9 Identify the 3270 session you want to use in response to this message:

Type the 1-character ID identifying the 3270 session you want to use for the file transfers. Then press ENTER.

If you do not specify a session, the first 3270 session you started is used. If your 3270 terminal emulator supports only a single 3270 session, just press ENTER.

3270 host session ===>

Type the letter of the session you want to use, and press Enter.

3270 host session ==> a

If your emulator only provides a single 3270 session, don't type anything; just press Enter.

After you press Enter, you see the next message.

Press Enter.

- 10** A summary of the information you have typed appears on your screen. Make sure you entered all the information correctly.

For MVS or OS/390:

You specified the following:

Paths to the BookManager files:

c:\shelves

d:\books

High-level qualifiers : IBMBK

3270 session ID : A

Are these values correct (Y ! N)? ==>

For VM:

You specified the following:

Paths to the BookManager files:

c:\shelves

d:\books

Minidisk file mode : A

3270 session ID : A

Are these values correct (Y ! N)? ==>

If you are satisfied with the information, type Y and press Enter. You see the next message. Otherwise, type N and press Enter; the program repeats the previous questions, and you can change your answers. When you are satisfied, type Y on this panel and press Enter. This message appears on your screen:

Now locating all the bookshelves so you can
select the ones you want to upload to the host.

- 11** Wait until this list of names and descriptions of the bookshelves appears:

Select the bookshelves to upload by pressing the:

* Space bar to select and deselect entries to upload.

* Up and down arrow keys to scroll the list of shelves.

* Enter key when you have made all of your selections.

Bookshelves 1 to 14 of 23

Shelf	Date	Title	Upload?
EZ2ccnnn	yy/mm/dd	description	

.
.
.

Use the up and down arrow keys to scroll through the list. To select a bookshelf to upload, press the Space bar when the cursor is on the row containing the name of a bookshelf you want. If you incorrectly selected a bookshelf, press the Space bar again to de-select it. You can also use the Y and N keys to select and de-select entries. The bookshelves you select are identified with a Y in the Upload column.

After you have selected all the bookshelves you want to upload, press the Enter key. The EZ2UCDM or EZ2UCDV program creates the command or batch files you can use to upload the bookshelves to the host. The primary file created is SHELVES.COMD (for OS/2) or SHELVES.BAT (for DOS). These files are created in the current directory (c:\upload or the directory you used).

Note: You can use the All-Collection or All-Disc bookshelves on an Online Library CD-ROM or set of CD-ROMs to upload all the books for one CD-ROM or an entire set at one time.

You are now ready to upload the bookshelves.

If you are uploading to an MVS or OS/390 host, continue with the instructions in "Allocating MVS or OS/390 Data Sets When You Upload Files."

If you are uploading to VM, continue with the instructions in "Uploading the IBM Bookshelves to the Host" on page 38.

Allocating MVS or OS/390 Data Sets When You Upload Files

The SEND command supports a very limited set of MVS or OS/390 allocation parameters. For example, it does not enable you to specify volume or unit information. The INDSBMGR file is a TSO/E REXX EXEC you can use on your MVS or OS/390 host to allocate BookManager data sets with additional MVS or OS/390 allocation parameters. Also, if you are replacing data sets that have been migrated by DFHSM, this EXEC deletes the original copy. This prevents the data sets from being recalled, only to be replaced by a newer copy. Therefore, IBM recommends you use the INDSBMGR EXEC if possible.

Note: If you are using Data Facility Storage Management Subsystem (DFSMS) on your MVS or OS/390 host, you should define storage classes to handle BOOK, BKSHELF, and BKINDEX data sets.

By default, when you use the SEND command, it uses the IND\$FILE program on MVS or OS/390 to do the upload. You can upload INDSBMGR to your MVS or OS/390 host and tailor it to include the appropriate allocation information and have the SEND command use it instead of IND\$FILE.

Uploading and Customizing the INDSBMGR Program on Your MVS or OS/390

Host: Before you upload any bookshelves, you must upload the INDSBMGR program to your host. The program is in a file named INDSBMGR.REX. To upload this file to your MVS or OS/390 host:

- 1 Upload this file to MVS or OS/390 in binary format to a fixed-length, 80-byte record, sequential data set. For example, if your CD-ROM drive letter is D and your host session is A, you can type this command to upload the file from any CD-ROM in a collection to a data set named userid.INDSBMGR.REXX.

```
send d:\upload\indsbmgr.rex a:'userid.indsbmgr.rexx' recfm(f) lrecl(80)
```

- 2 Copy this sequential data set to a PDS that is part of your SYSPROC or SYSEXEC concatenation. The member name should be INDSBMGR.

- 3 Edit the INDSBMGR member.

- 4 Near line 85, find the following variable instructions:

```
/*= Site must modify these allocations =====*/
ALLOCATEOPTIONS_ALL   = "" /* All files           */
ALLOCATEOPTIONS_BOOK  = "" /* For books        */
ALLOCATEOPTIONS_SHELF = "" /* For bookshelves  */
ALLOCATEOPTIONS_INDEX = "" /* For bookshelf indexes */
/*= End of site modifications =====*/
```

- 5 Change these variables to include the additional parameters you want to add to your TSO data set allocations. These variables enable you to:

ALLOCATEOPTIONS_ALL	Add options to all data set allocations for all BOOK, BKSHELF, and BKINDEX files
ALLOCATEOPTIONS_BOOK	Add options to data set allocations for BOOK files only
ALLOCATEOPTIONS_SHELF	Add options to data set allocations for BKSHELF files only
ALLOCATEOPTIONS_INDEX	Add options to data set allocations for BKINDEX files only

If you add a UNIT parameter to this statement, it is added to data set allocations for BOOK, BKSHELF, and BKINDEX files. For example:

```
ALLOCATEOPTIONS_ALL = "UNIT(TSO)"
```

If you add a VOLUME parameter to this statement, it is added only to data set allocations for BOOK files. For example:

```
ALLOCATEOPTIONS_BOOK = "VOLUME(WORK01)"
```

Using the INDSBMGR Program: IBM emulators using the SEND command let you change the host program they use. With IBM OS/2 Extended Edition, for example, you can set the OS/2 environmental variable IND_FILE to the name of the host program you want to run; with IBM PC/3270, you can set the DOS environmental variable IND\$FILE.

After you have uploaded and customized the INDSBMGR member at your MVS or OS/390 host, you can use it when you want to upload IBM books.

Issue the appropriate SET command at your workstation to change the host upload program to INDSBMGR. For example,

For OS/2 EE: `set ind_file=indsbmgr`

For DOS: `set ind$file=indsbmgr`

Note: Other emulators provide similar capabilities. See the documentation with your emulator for details.

Continue with the instructions in "Uploading the IBM Bookshelves to the Host" to upload the files.

Attention: Use the INDSBMGR command only with the CMD or BAT files built with the EZ2UCDM program. The REXX EXEC looks only for the options EZ2UCDM specifies.

When you want to eliminate the INDSBMGR as the environmental variable, you can set it to null. For example:

OS/2 EE: `set ind_file=`

DOS: `set ind$file=`

Uploading the IBM Bookshelves to the Host

After you run the EZ2UCDM or EZ2UCDV program, you must use the SHELVES command to actually upload the BookManager files to your host. The SHELVES command starts the program you created using the EZ2UCDM or EZ2UCDV program. The SHELVES program contains the SEND commands that upload the files.

The following examples assume the SEND command you usually use is in a directory named C:\PC3270.

If the directory containing the SEND command you use is part of the PATH= statement, type: `shelves`

If it is not, or you are not sure, do as follows:

- 1** Select the hard disk containing your SEND command: `c:`
- 2** Change to the directory containing your SEND command: `cd \pc3270`
- 3** Run the SHELVES program. For example, if the SHELVES program is in the C:\UPLOAD directory, type: `c:\upload\shelves`

The bookshelves are uploaded to the host. When the uploading is finished, you should look at the FAILING.CMD file (for OS/2) or the FAILING.BAT file (for DOS) created in the directory containing the SHELVES command (for example, in C:\UPLOAD). It lists the files that failed to upload. You can look at this file with the TYPE command. For example:

For OS/2: type `c:\upload\failing.cmd ! more`

For DOS: type `c:\upload\failing.bat ! more`

If this file contains any SEND commands, one or more uploads have failed. If there are only a few SEND commands, you can upload these files using the FAILING command. For example: `c:\upload\failing`

If most of the files failed to upload, you should use the SHELVES command after correcting the problem that caused them to fail.

After you have uploaded all the files successfully, you might want to print the BKSHELF.LST file also created in the same directory containing the SHELVES program. The BKSHELF.LST file contains a list of the bookshelves that have been uploaded. You can use it to verify all the files arrived successfully.

You are now ready to make the IBM bookshelves available to BookManager READ/MVS, READ/VM, or the reader provided with OS/390 on your host. Continue with the instructions in "Making Bookshelves Available to IBM Host Readers" on page 42.

Naming Host Data Sets and Files

When the EZ2UCDM or EZ2UCDV program creates the SEND commands to upload files from your OS/2 or DOS workstation to an MVS, OS/390, or VM host, it creates file names conforming to the file naming conventions used by BookManager READ on the host.

Conventions for Naming MVS or OS/390 Data Sets: Three types of files are uploaded: books, bookshelves, and bookshelf search indexes. The following table shows OS/2 and DOS file names and the names these files will have on MVS or OS/390.

Some people prefer to associate a book with the bookshelf pointing to it by including the shelf name as part of the book and bookshelf search index data set names. If you want to do this, you can set the environmental variable EZ2UCDMS to Y before invoking EZ2UCDM. To do so, issue the following OS/2 or DOS command:

`SET EZ2UCDMS=Y`

The following table also includes this type of filename.

OS/2, DOS Filenames	MVS, OS/390 Filenames	EZ2UCDM generated Filename
<i>book-name.boo</i>	<i>ibmbk.book-name.book</i>	<i>ibmbk.shelf-name.book-name.book</i>
<i>shelf-name.bks</i>	<i>ibmbk.shelf-name.bkshelf</i>	<i>ibmbk.shelf-name.shelf-name.bkshelf</i>
<i>index-name.bki</i>	<i>ibmbk.index-name.bkindex</i>	<i>ibmbk.shelf-name.index-name.bkindex</i>

Note: In most cases, *shelf-name* and *index-name* are the same.

Convention for Naming VM Files: Three types of files are uploaded: books, bookshelves, and bookshelf search indexes. The following table shows OS/2 and DOS filenames and the names these files will have on VM. (In this example, file names longer than eight characters are used to spell out the names of the files. The actual filenames in your OS/2, DOS and VM environment are only eight characters long. The file types shown in the example are identical to what you see on your system.)

OS/2, DOS Filenames	VM Filenames
<i>book-name.boo</i>	<i>book-name</i> book
<i>shelf-name.bks</i>	<i>shelf-name</i> bkshelf
<i>index-name.bki</i>	<i>index-name</i> bkindex

Deleting the SHELVES Files from Your Hard Disk

If you want to upload additional IBM bookshelves from other CD-ROMs, rerun the EZ2UCDM or EZ2UCDV program with the next CD-ROM. Then use the SHELVES command to upload the bookshelves from that CD-ROM.

After you have uploaded all the files you want, you might want to delete all the files and the directory you created on your hard disk to upload bookshelves to your host.

Note: Before you delete the files and the directory, you might want to copy the EZ2UCDM.EXE or EZ2UCDV.EXE files to another directory for use with other CD-ROMs. Better yet, copy them to a permanent directory specified in your PATH= statement.

The following examples assume all the files you created to do the upload are in the C:\UPLOAD directory.

To delete the directory you created:

- 1 Switch to the hard disk containing the EZ2UCDM or EZ2UCDV programs: `c:`
- 2 Switch to the root directory of this hard disk: `cd \`
- 3 Delete all the files in the directory you created: `del c:\upload\*.*`
- 4 Confirm you want to delete all the files in the directory. Be sure the directory is C:\UPLOAD and not another directory containing data you want to keep. If you are sure, type `y`.
- 5 Remove the directory: `rd \upload`

Using the SEND Capability to Upload to a Host

You can send individual books, bookshelves, and bookshelf search indexes to your MVS, OS/390, or VM host with the SEND capability provided by a 3270 terminal emulator program or equivalent.

To send individual IBM books, bookshelves, and bookshelf search indexes from your workstation to your host, you must:

1 Make sure you are logged onto your host session and your host's READY message is on the screen.

2 From the OS/2 or DOS command prompt, use the file transfer method you regularly use. For example, you can use:

- The Communications Manager SEND command (from OS/2)
- The 3270 Workstation Program SEND command or IBM Personal Communications/3270 SEND command (from DOS)

You can use any other file transfer method you have, but it must let you specify character translation, file format, and record length. If you are unfamiliar with the SEND capability, refer to the manual for the file transfer method you are using.

3 Determine the appropriate character translation, record format, and record length for transferring IBM book (BOO), bookshelf (BKS), and bookshelf search index (BKI) files from an OS/2 or DOS workstation to an MVS, OS/390, or VM host. Look up the information you need in the following table:

Type of File:	Book	Bookshelf	Search Index
DOS or OS/2 File Extent:	.BOO	.BKS	.BKI
MVS or OS/390 Lowest-level Qualifier or VM File Type:	BOOK	BKSHELF	BKINDEX
Character Translation:	None	ASCII to EBCDIC	None
Record Format:	F	V	F
Record Length:	4096	259	4096
CRLF:	No	Yes	No
How to upload the file	Binary	ASCII	Binary

You can look up the file names of the books, bookshelf, and bookshelf search indexes in the printed catalog, the online version (BOOK file) of this catalog, or the README file on your Online Library CD-ROM.

4 Use the SEND commands you need to upload books, bookshelf search indexes, and bookshelves to your host.

Examples for OS/2 or DOS to MVS or OS/390: These examples assume your host session is A and you are transferring files from your CD-ROM drive D.

Note: Although the commands appear on two lines in the following examples, you should enter them as a single command.

```
send d:\books\book-name.boo a:ibmbk.book-name.book
1rec1(4096) recfm(f)
send d:\books\index-name.bki a:ibmbk.index-name.bkindex
1rec1(4096) recfm(f)
send d:\shelves\shelf-name.bks a:ibmbk.shelf-name.bkshelf ascii crlf
1rec1(259) recfm(v)
```

Note: If you are uploading a large file, you might have to include a SPACE parameter on the SEND command to allocate enough space for the file.

Examples for OS/2 or DOS to VM: Here are examples of the SEND command you might use to move a file containing a book, a bookshelf search index, or a bookshelf from your OS/2 or DOS workstation to your VM host. These examples assume your host session is A and you are transferring files from your CD-ROM drive D.

```
send d:\books\book-name.boo a:book-name book (lrecl 4096 recfm f
send d:\books\index-name.bki a:index-name bkindex (lrecl 4096 recfm f
send d:\shelves\shelf-name.bks a:shelf-name bkshelf (ascii crlf
```

You are now ready to make the bookshelves available to the IBM host readers.
Continue with the instructions in "Making Bookshelves Available to IBM Host Readers."

Making Bookshelves Available to IBM Host Readers

This section describes making bookshelves available to readers on MVS, OS/390 and VM.

Making Bookshelves Available on READ/MVS or the OS/390 Reader

- 1** Start BookManager READ/MVS or the OS/390 Reader (whichever is appropriate) and go to the list of bookshelves.
- 2** Do **not** select any bookshelves. Select **Books** choice on the action bar and press Enter.
- 3** In the window that appears, select **6. Perform file functions**.
- 4** In the window that appears, select **5. Add**.
- 5** Type, between single quotation marks, the name of the first bookshelf you uploaded and press **Enter**.

```
'ibmbk.ez2shelf-name.bkshelf'
```

If you used the EZ2UCDM program to upload the files, the list of the bookshelves that were uploaded is in BKSHELF.LST.

You may want to add to the master list, which is defined by the QLSHELF parameter in the EOXVOPTS REXX EXEC. For example, if you look at the EOXVOPTS member, you see a statement like this:

```
QLSHELF = "'EOY.BKLSHELF'"
```

The name of the master list here is:

'EOY.BKLSHELF' The bookshelf is now added.

- 6** Repeat steps 4, 5, and 6 for each bookshelf in BKSHELF.LST. When you have finished, press **F12** to return to the list of bookshelves.

If you used EZ2UCDM to create the SEND commands, you can skip the remaining steps in this section. If not, continue with the next step.

- 7** Type a slash (/) next to each bookshelf you just added.
- 8** Select the **Books** choice on the action bar and press **Enter**.
- 9** In the window that appears, select **6. Perform file functions**.
- 10** In the window that appears, select **4. Edit**.
- 11** In the window that appears, select **4. Add data set names**.
- 12** In the window that appears, type the high-level qualifier that you added to each file name, and press **Enter**. For example, `ibmbk`
- 13** Press **F12** to return to the previous window.
- 14** Press **F6** to skip the bookshelf you just added. The next bookshelf you selected appears.
- 15** Repeat steps 10, 11, 12, and 13 for each bookshelf you selected.
- 16** When you have finished with all the bookshelves, a window with the list of bookshelves reappears.
- 17** Press **F5** to refresh the list and see the newly added bookshelves.

You are now ready to use the new bookshelves. You can use the **BOOKMGR** command in your host session to view the bookshelves and books in a collection of IBM books. Refer to the BookManager READ/MVS books for more information about using BookManager READ on your host.

Note: To conserve space on your host DASD, you can release any unused space you allocated when you uploaded the books and bookshelf search indexes. You can use DFHSM to migrate the data set.

Making Bookshelves Available on READ/VM

Although it is not required, you should add the bookshelf files to the BookManager public library. Otherwise, you can access them directly if the minidisk containing the files is currently accessible.

When you are finished transferring files to your VM host, you can use the **BOOKMGR** command in your host session to view the bookshelves and books.

Making Bookshelves Usable on Your MVS or OS/390 Host

When SCRT/MVS installs bookshelves on MVS or OS/390, they are not immediately usable by BookManager. First, the bookshelves do not contain the proper data set names for each book and bookshelf search index. Second, the bookshelves need to be added to your personal bookshelf list.

BKSADD is a REXX EXEC that adds the correct data set names inside MVS or OS/390 bookshelves and adds MVS or OS/390 bookshelves to a Personal Bookshelf List. BKSADD has two program options:

- Option L allows you to locate all the bookshelves under a given high-level qualifier (HLQ) and assign them to a personal bookshelf list. You determine the bookshelf list data set to be created or updated and the HLQ for the bookshelves to be added.
- Option S lets you add the data set names inside one or more bookshelves. You select the HLQ for the bookshelves to be updated. You also select HLQs for the book and bookshelf search index data set names that go into the bookshelves. This option can generate data set names that do not exist and correct names already in the bookshelf. When there are multiple data sets matching a given book or book index, you can have the EXEC prompt you for a choice, or you can ignore conflicts.

BKSADD runs interactively on MVS or OS/390 under TSO and does NOT require or use any special panel interface. It prompts you for all required input; it displays useful statistics and produces a detailed report on your disk. You must upload BKSADD to your MVS or OS/390 host from the CD-ROM before you can use it. The EXEC is located in the \scrt\scrtmvs subdirectory. When you upload it, be sure to specify a record format of F, a logical record length of 80, no CRLF, and do not request character translation; it is a binary file.

For more information on BKSADD, see the comments inside the BKSADD data set. For more information on REXX EXECs, refer to *TSO/E V2 REXX: Users Guide*, SN28-1299.

Note: If your bookshelves are RECFM U, your TSO session must have access to the REPRO command. This EXEC also uses a variety of TSO/E commands such as ALLOCATE, DELETE, FREE, and RENAME.

Uploading and Downloading Books, Bookshelves, and Indexes

The following examples assume you are going to use the RECEIVE capability provided by a 3270 terminal emulator program or equivalent to download to a workstation. They also assume you are going to use your C hard disk and the \B00KS directory to receive books and bookshelf search indexes and the \SHELVES directory to receive bookshelves from your host.

- 1** You must upload the IBM books, bookshelves, and bookshelf search indexes to your host before you can download them to a workstation. First follow the

directions in “Uploading Books, Bookshelves, and Search Indexes” on page 31 to transfer IBM books, bookshelves, and bookshelf search indexes you want to distribute to your host. Then return here and continue with the next step.

2 Make sure you are logged onto your host session and that your host's READY message is on the screen.

3 On the workstation to receive the books, switch to the hard drive you want to use. For example, type:

```
c:
```

4 Create two directories, one to hold the IBM books and the bookshelf search indexes and the other to hold the bookshelves.

```
md \books
md \shelves
```

5 From the OS/2 or DOS command prompt, download the files with your usual file transfer method.

For example, you can use:

- The Communications Manager RECEIVE command (from OS/2 workstations)
- The 3270 Workstation Program RECEIVE command or IBM Personal Communications/3270 RECEIVE command (from DOS workstations)

You can use any other file transfer method you have, but it must enable you to specify whether you want the files translated. If you are unfamiliar with the RECEIVE capability, you may want to refer to the manual for the file transfer method you are using.

6 Determine the appropriate character translation for transferring IBM book (BOOK), bookshelf (BKSHELF), and bookshelf search index (BKINDEX) files from an MVS, OS/390, or VM host to an OS/2 or DOS workstation. Look up the information you need in the following table:

Type of File:	Book	Bookshelf	Bookshelf Search Index
DOS or OS/2 File Extent:	.BOO	.BKS	.BKI
MVS or OS/390 Lowest-level Qualifier or VM File Type:	BOOK	BKSHELF	BKINDEX
Character Translation:	None	ASCII to EBCDIC	None
CRLF:	No	Yes	No

7 Use the RECEIVE commands you need to download books,

bookshelf search indexes, and bookshelves to your workstation. Examples are shown below.

Examples for MVS or OS/390 to OS/2 or DOS:

Here are examples of the RECEIVE command you might use to move a file containing a book, a bookshelf search index, or a bookshelf from your MVS or OS/390 host to your OS/2 or DOS workstation. These examples assume your host session is A and you are transferring the files to your C hard disk.

Note: Some of these commands appear on two lines in the examples. You should enter them as a single command.

```
receive c:\books\book-name.boo a:'ibmbk.book-name.book'  
receive c:\books\index-name.bki a:'ibmbk.index-name.bkindex'  
receive c:\shelves\shelf-name.bks a:'ibmbk.shelf-name.bkshelf'  
ascii crlf
```

Examples for VM to OS/2 or DOS:

Here are examples of the RECEIVE command you might use to move a file containing a book, a bookshelf search index, or a bookshelf from your VM host to your OS/2 or DOS workstation. These examples assume your host session is A and you are transferring the files to your C hard disk.

Note: Some of these commands appear on two lines in the examples. You should enter them on a single line.

```
receive c:\books\book-name.boo a:book-name book  
receive c:\books\index-name.bki a:index-name bkindex  
receive c:\shelves\shelf-name.bks a:shelf-name bkshelf (ascii crlf
```

After you have downloaded all the books, you are ready to open the library.

Transferring Files to CICS

If READ/GT (available from GT Software) is installed in your CICS host environment, you can transfer BookManager files from your CD-ROM to your mainframe CICS system and use them with READ/GT.

If you have access to GT Software's ASSIST/GT online referencing product, you can reference BookManager files from help windows displayed at the top of CICS application screens.

Chapter 9. Sharing the Online Library With Your VSE Host

You can share the IBM Online Library with the users of your VSE host in two ways:

- **For VSE running under VM:** You can install the BookManager READ/VM licensed program on your VM host and upload the files you want to use.
- **For Stand-alone VSE:** You can install BookManager Library Reader/2 or Library Reader/DOS or BookManager READ/2 or READ/DOS on your workstations and use the CD-ROMs at these workstations.

Distributing the Online Library to VSE Workstations

You can distribute the IBM Online Library to VSE workstations that do not have CD-ROM readers by using diskettes and using the PUN Queue.

Distributing the Online Library Using Diskettes

You can copy the library readers and Online Library files to diskettes on one workstation and copy them to the hard disk on another workstation.

Uploading Books, Bookshelves, and Indexes to the PUN Queue

You can transfer files to the VSE/POWER PUN queue from one workstation and then retrieve them from the queue at another workstation.

- 1** At your VSE host, make sure the VSE/POWER data file has enough free space. Enter the command **D Q** at the system console.

The system displays the percentage of space already used in the data queue. To determine how much free space is available in the data file, multiply the displayed values for free DBLK groups, DBLK group size, and DBLK size (free DBLK groups × DBLK group size × DBLK size).

To send files, set up the VSE host for normal file transfer to or from a workstation (see *VSE/ESA Programming and Workstation Guide*).

- 2** At the workstation OS/2 or DOS command prompt, switch to the drive with the directory containing the files you want to transfer. If the books are on your F drive, type: `f:`
- 3** Change to the directory on that drive containing the files. If the books are on the \BOOKS directory, type: `cd \books`
- 4** Do one of the following to transfer files to the PUN queue:
 - Use individual DOS or OS/2 SEND commands to transfer files to the PUN queue. For example:
`send dto32e00.bo0 dto32e00 (file=pun binary class=v dest=any
lrec1=4000`

- Create an OS/2 command like the following to transfer three books to the PUN queue at the same time:
`SEND GETBOOK.CMD GETBOOK (FILE=PUN BINARY CLASS=V DEST=ANY LRECL=4000`
`SEND DT032E00.B00 DT032E00 (FILE=PUN BINARY CLASS=V DEST=ANY`
`LRECL=4000`
`SEND DT0U2000.B00 DT0U2000 (FILE=PUN BINARY CLASS=V DEST=ANY`
`LRECL=4000`
`SEND DT0R2000.B00 DT0R2000 (FILE=PUN BINARY CLASS=V DEST=ANY`
`LRECL=4000`

Explanation:

- The command file sends three books to PUN.
- For DOS, this file would be named GETBOOK.BAT instead of GETBOOK.CMD.
- CLASS=V designates the files belong to this specific queue class. You should make sure PUN is not started for the class you select.
- DEST=ANY so any user can retrieve the books from the queue.
- GETBOOK.CMD is a file for retrieving the books.

Receiving Books, Bookshelves, and Indexes from the PUN Queue

After you have transferred files to the VSE/POWER PUN queue from a workstation, you can retrieve them from the queue at another workstation.

Before receiving any files, you should decide into which directory or partition on the receiving workstation you want to put them. The following example assumes you want to put the books into the \BOOKS directory on your C hard disk. After you decide where you want to put the books, make sure the destination you chose is in the PATH statement on the workstation.

- 1 Set up the VSE host for normal file transfer to a workstation.
- 2 At the workstation receiving the files from the PUN queue, use individual DOS or OS/2 RECEIVE commands to transfer files from PUN.

If you sent a command file like the one described below to the PUN queue, you can receive it, and use it to receive the other files. For example, to receive the GETBOOK file from PUN queue:

For OS/2: `receive d:\books\getbook.cmd getbook (file=pun binary class=v`

For DOS: `receive d:\books\getbook.bat getbook (file=pun binary class=v`

After you have retrieved the command file, use it to retrieve one or more queue entries from PUN. For example, if the GETBOOK file contains RECEIVE commands for three books, entering getbook receives the following files:
`RECEIVE D:\BOOKS\DT032E00.B00 DT032E00 (FILE=PUN BINARY CLASS=V`
`RECEIVE D:\BOOKS\DT0U2000.B00 DT0U2000 (FILE=PUN BINARY CLASS=V`
`RECEIVE D:\BOOKS\DT0R0000.B00 DT0R0000 (FILE=PUN BINARY CLASS=V`

The queue entries remain in PUN until you use PDELETE to delete them.

Chapter 10. Installing and Using the Online Message Facility

Optional Feature

This procedure is for Online Library CD-ROMs containing books enabled for the Online Message Facility (OMF). Refer to the catalog shipped with your CD-ROMs to determine if you can use OMF.

The Online Message Facility (OMF) is an OS/2 program displays the descriptions of host messages you receive in your host session. Using OS/2, you can click on the message number in a host window controlled by Communications Manager. OMF searches for that message in the appropriate book in the Online Library and uses the IBM Library Reader/2 or BookManager READ/2 to display the explanation in an OS/2 window. If the message you selected contains certain types of system codes, such as sense or abend codes, you can branch directly from the message description to the descriptions of the codes in that message.

OMF also has a search function that lists the different types of message prefixes and codes contained in a set of online books. When you enter a code or message number, the OMF passes it to the appropriate online book. You can also use of all the functions of the IBM Library Reader/2 or BookManager READ/2 after OMF starts it.

Additional Software Requirements for OMF

This version of OMF requires OS/2 Version 2.0 or higher with Extended Services Version 1.0 or Communications Manager/2 Version 1.0. If you have installed an earlier version, you should reinstall this version.

Installing the Online Message Facility on OS/2

Note: If you have already installed OMF on your workstation and you are just adding books on a new CD-ROM to your Online Library, you only need to copy the Message Parsing Template (MPT) files from the CD-ROM onto your hard disk. Skip the steps in this section and go directly to "Copying MPT Files to Your Hard Disk for OS/2" on page 50.

Follow these instructions to install the IBM Online Message Facility (OMF) on your OS/2 workstation. If you are a LAN user and this online book is included on your CD-ROM, refer to the *IBM Online Message Facility: User's Guide*, SV40-0336.

- 1** Go to an OS/2 command prompt.
- 2** Switch to the drive letter of the CD-ROM drive containing the Online Message Facility. If your CD-ROM drive is D, type: `d:`
- 3** Change to the directory on the CD-ROM containing the OMF: `cd \omf`

4 Start the OMF Installation Program: `install`

The Install the Online Message Facility window appears on your screen.

5 In the window, do as follows:

- a. Make sure the target directory is correct. The default is a directory named `\OMF` on your hard disk.

Note: If you have a previous release of OMF installed in a different directory, that directory appears instead of `\omf`.

- b. Make sure the configuration file is correct.

- c. If you do not want your configuration file updated, uncheck the **Update** box. If you do not update your configuration file, a file with the necessary changes is created for you.

6 Select the **Install** button. The OMF Installation window appears on your screen.

Note: If you have a previous release of OMF installed, a window telling you the previous version is being replaced appears before the OMF Installation window appears.

7 The OMF Installation window tells you OMF was successfully installed and if you need to shut down and restart your system.

8 Select the **OK** button and do one of the following things:

- If you are copying MPT files, do not shut your system down now. Go to "Copying MPT Files to Your Hard Disk for OS/2" and continue with step 5.
- If you are not copying MPT files, continue with the instructions in "Shutting Down and Restarting Your OS/2 Workstation" on page 51 to shut down and restart your system now.

When your system is running again, an OMF folder appears. You can use this folder to start OMF.

Copying MPT Files to Your Hard Disk for OS/2

To use the IBM Online Message Facility, you must copy Message Parsing Template (MPT) files from the CD-ROM to your hard disk. Be sure you copy the MPT files that match the books you are using. A list of the MPT files should be included in the information packaged with the CD-ROM or in its README file, and the MPT files should have the same file names as the books.

These instructions assume you are using the `\omf` directory created by the OMF Installation Program on your C hard disk.

- 1** If you have not installed OMF, go to "Installing the Online Message Facility on OS/2" on page 49 and follow the instructions for installing OMF.

You might want to refer to the list of MPT files included on your CD-ROM and select the MPT files you want to copy before you continue to the next step.

- 2** Make sure you have the CD-ROM containing the MPT files in your CD-ROM drive.
- 3** Switch to the drive letter of your hard disk containing the directory created by the OMF Installation Program. If that hard disk is C, type: `c:`
- 4** Change to the OMF directory containing OMF and any MPT files you have copied previously. If you are using the default directory created by the OMF Installation Program, type: `cd \omf`
- 5** To copy all the MPT files from the CD-ROM to the OMF directory on your hard disk, type: `copy d:\mpt\*.*`

To copy only selected MPT files, type the following command for each file you want to copy: `copy d:\mpt\filename.mpt`
- 6** If you have just installed OMF and were instructed to shut down and restart your system, continue with "Shutting Down and Restarting Your OS/2 Workstation." If you are just copying MPT files, you are done.

Shutting Down and Restarting Your OS/2 Workstation

For OS/2 Version 2.11 or later with corrective service XR06055 applied:

1. Click on your desktop (an unoccupied part of the screen).
2. In the window that appears, select **Shutdown**.
3. When the shutdown is complete, restart your system by pressing Ctrl+Alt+Del.

For OS/2 WARP 3.0:

1. Click on **Shutdown** on your LaunchPad.
2. When the shutdown is complete, restart your system by pressing Ctrl+Alt+Del.

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Do You Have Questions, Problems, or Suggestions?

For problems installing or using the library, or accessing books:

In the U.S.A.

Do the following:

- 1** Call the IBM Support Center, 1+800+237-5511. You will first connect with a voice menu. Press **0** at any time to connect with a customer service representative.
- 2** Tell the customer rep your customer number (access code). If you do not have a customer number, use **BookMgr** as your generic customer number or access key.
- 3** The customer rep will ask you if this is a new or an existing problem. Answer:
 - **New** if this is the first time you have called about this problem.
 - **Existing** if you have a problem management record (PMR) number already assigned to the problem.

Note: Make sure you have your PMR number available.
- 4** The customer rep will ask you what software application operating system you are using. Answer "My product ID is 5648-032-00."

Note: Do not answer the operating system question, and if the rep says hold on while he transfers you to Socrates for the PS Support family entitlement, stop him! Tell him you want to use the product ID 5648-032-00 and that you do not want to be transferred to Socrates.
- 5** Give the customer rep your name, address, phone number, and a description of the problem. The customer rep will generate your PMR and queue it to SCKIT.
- 6** Hang up and wait for a call back.

In Other Countries

Contact IBM through your usual service channel.

In All Locations

For problems, questions, or suggestions about any of the books, contact IBM:

- **Mail** the Readers' Comments form from the back of this booklet or one that you printed from an online book, or address comments to:
IBM Corporation
Department 55JA, Mail Station P384
522 South Road
Poughkeepsie, NY 12601-6400
U.S.A.
- **FAX** comments to:
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In other countries.: IAC+1+914+432-9405
- **Send** comments electronically to:

Internet: mhvrcfs@vnet.ibm.com
World Wide Web: <http://www.s390.ibm.com/os390>
IBMLink: KGNVMC(MHVRCFS)
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- If you prefer to send comments by FAX, use this number:
 - FAX: (International Access Code)+1+914+432-9405
- If you prefer to send comments electronically, use this network ID:
 - IBMLink: (United States customers only): KGNVMC(MHVRCFS)
 - IBM Mail Exchange: USIB6TC9 at IBMMAIL
 - Internet e-mail: mhvrcfs@vnet.ibm.com
 - World Wide Web: <http://www.s390.ibm.com/os390>

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- Title and publication number of this book
- Page number or topic to which your comment applies

Optionally, if you include your telephone number, we will be able to respond to your comments by phone.



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